

D-FJ75TR

SERVICE MANUAL

Ver 1.0 2000.06



US Model
AEP Model
UK Model
E Model

本资料由OKXIA视听皮带资源库www.okxia.cn提供

Model Name Using Similar Mechanism	D-E770/EJ711/EJ715
CD Mechanism Type	CDM-3123EBA
Optical Pick-up Name	DAX-23E

SPECIFICATIONS

CD player

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs

Wavelength: $\lambda = 780 \text{ nm}$

Emission duration: Continuous

Laser output: Less than $44.6 \mu\text{W}$

(This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

D-A conversion

1-bit quartz time-axis control

Frequency response

20 - 20 000 Hz ± 1 dB (measured by EIAJ CP-307)

Output (at 4.5 V input level)

Line output (stereo minijack)

Output level 0.7 V rms at 47 k Ω

Recommended load impedance over 10 k Ω

Headphones (stereo minijack)

Approx. 5 mW + Approx. 5 mW at 16 Ω

(Approx. 1 mW + Approx. 1 mW at 16 Ω)*

*For the customers in France

Optical digital output (optical output connector)

Output level: -21 - -15 dBm

Wavelength: 630 - 690 nm at peak level

Radio (LCD remote control with built in digital tuner)

Frequency range (STEP)

Tuner type "U"

FM: 87.5 - 108.0 MHz (100 kHz STEP)

AM: 530 - 1 710 kHz (10 kHz STEP)

Tuner type "E"

FM: 87.5 - 108.0 MHz (50 kHz STEP)

AM: 531 - 1 602 kHz (9 kHz STEP)

Tuner type "J"

FM: 76 - 90 MHz (100 kHz STEP)

AM: 531 - 1 710 kHz (9 kHz STEP)

Antenna

FM: Headphones/earphones cord antenna

AM: Built-in ferrite bar antenna

General

Power requirements

For the area code of the model you purchased, check the upper left side of the bar code on the package.

- Two Sony NC-WMAA rechargeable batteries: 2.4 V DC
- Sony NH-WM2AA rechargeable batteries: 2.4 V DC
- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack):
US model: 120 V, 60 Hz
AEP, E13, EE, FR model:
220 - 230 V, 50/60 Hz
UK model: 230 - 240V, 50 Hz
E33 model: 100 - 240V, 50/60 Hz
HK model: 220V, 50/60 Hz
CH model: 220V, 50 Hz
- Sony DCC-E345 car battery cord for use on car battery: 4.5 V DC
- Abbreviation
CH : Chinese model
EE : East European model
FR : French model
HK : Hong Kong model
E13 : AC220-230V area model
E33 : AC100-240V area model

Battery life* (approx. hours)

(When you use the CD player on a flat and stable surface.)

Playing time varies depending on how the CD player is used.

When using	G-PROTECTION		RADIO
	on	off	
Two NC-WMAA (charged for about 3 hours**)	8	7	14
NH-WM2AA (charged for about 4 hours**)	18	15	30
Two Sony alkaline batteries LR6SG	32	28	50

* Measured value by the standard of EIAJ (Electronic Industries Association of Japan).

** Charging time varies depending on how the rechargeable battery is used.

Operating temperature

5°C - 35°C (41°F - 95°F)

Dimensions (w/h/d) (excluding projecting parts and controls)

Approx. 131.6 × 25.0 × 141.4 mm
(5 1/4 × 1 × 5 5/8 in.)

Mass (excluding accessories)

Approx. 185 g (6.6 oz.)

— Continued on next page —

FM/AM PORTABLE CD PLAYER

SONY®

TABLE OF CONTENTS

Accessories

Supplied accessories

For the area code of the location in which you purchased the CD player, check the upper left side of the bar code on the package.

AC power adaptor (1)
Headphones with LCD remote control with built in digital tuner (1)
Rechargeable batteries (2)
Battery carrying case (1)
Carrying case (1)

For US customers

The AC power adaptor supplied is not intended to be serviced. Should the AC power adaptor cease to function in its intended manner, during the warranty period, the adaptor should be returned to your nearest Sony Service Center or Sony Authorized Repair Center for replacement, or after warranty period, it should be discarded.

Design and specifications are subject to change without notice.

1. SERVICING NOTES	3
2. GENERAL	4
3. DISASSEMBLY	5
3-1. Cabinet (Upper)	5
3-2. CDM-3123EBA and Main Board	5
4. ELECTRICAL ADJUSTMENTS	6
5. DIAGRAMS	7
5-1. IC Pin Function Description	7
5-2. IC Block Diagrams	9
5-3. Block Diagram	10
5-4. Printed Wiring Board	12
5-5. Schematic Diagram	15
6. EXPLODED VIEWS	18
6-1. Cabinet Section	18
6-2. Main Section	19
6-3. Mechanism Section (CDM-3123EBA)	20
7. ELECTRICAL PARTS LIST	21

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board. (within 3 times)
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SECTION 1

SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

Before Replacing the Optical Pick-Up Block

Please be sure to check thoroughly the parameters as per the "Optical Pick-Up Block Checking Procedures" (Part No.: 9-960-027-11) issued separately before replacing the optical pick-up block. Note and specifications required to check are given below.

- FOK output: IC601 ③⑤ pin
When checking FOK, remove the lead wire to disc motor.
- RF signal P-to-P value: 0.35 to 0.65 Vp-p

Precautions for Checking Emission of Laser Diode

Laser light of the equipment is focused by the object lens in the optical pick-up so that the light focuses on the reflection surface of the disc. Therefore, be sure to keep your eyes more than 30 cm apart from the object lens when you check the emission of laser diode.

Laser Diode Checking Methods

During normal operation of the equipment, emission of the laser diode is prohibited unless the upper lid is closed while turning ON the S801. (push switch type)

The following two checking methods for the laser diode are operable.

- **Method:**
Emission of the laser diode is visually checked.

1. Open the upper lid.
2. With a disc not set, turn on the S801 with a screwdriver having a thin tip as shown in Fig.1.

Note: Do not push the detection lever strongly, or it may be bent or damaged.

3. Press the  button.
4. Observing the objective lens, check that the laser diode emits light.

When the laser diode does not emit light, automatic power control circuit or optical pickup is faulty.

In this operation, the objective lens will move up and down 5 times along with inward motion for the focus search.

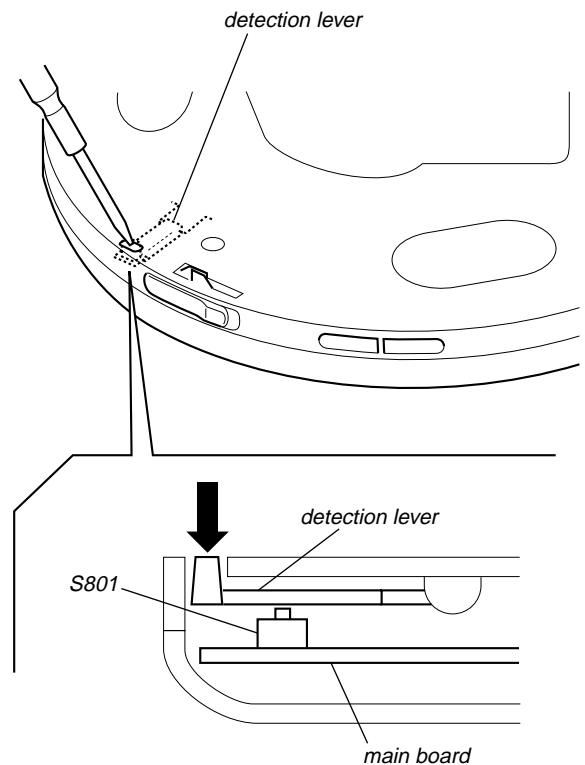


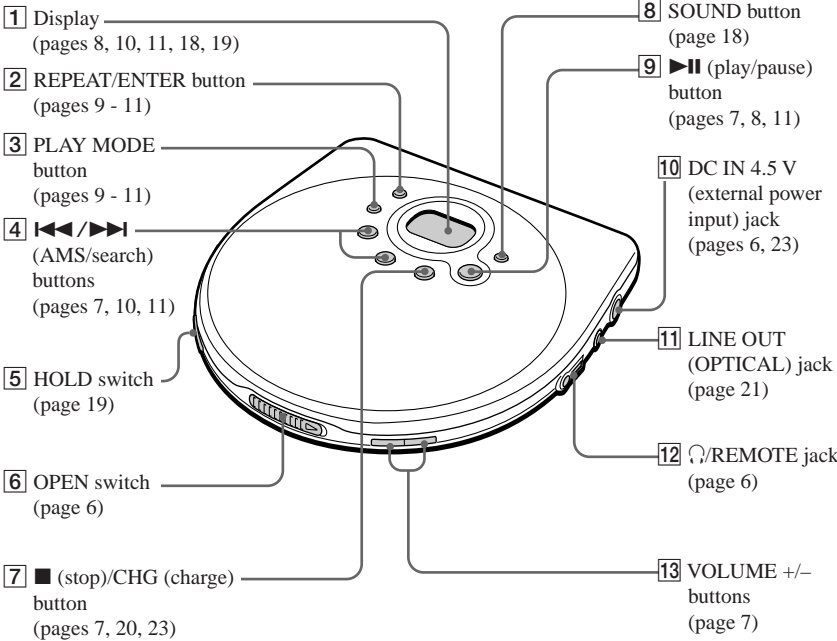
Fig. 1 Method to push the S801

Getting started

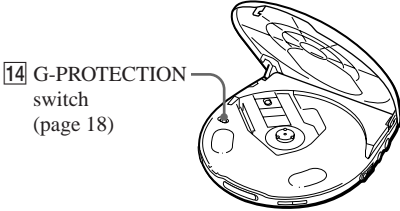
Locating the Controls

For details, see pages in parentheses.

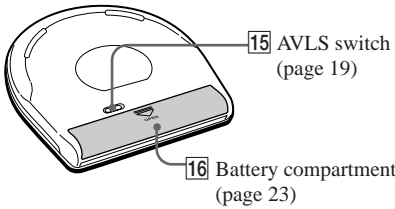
CD player (front)



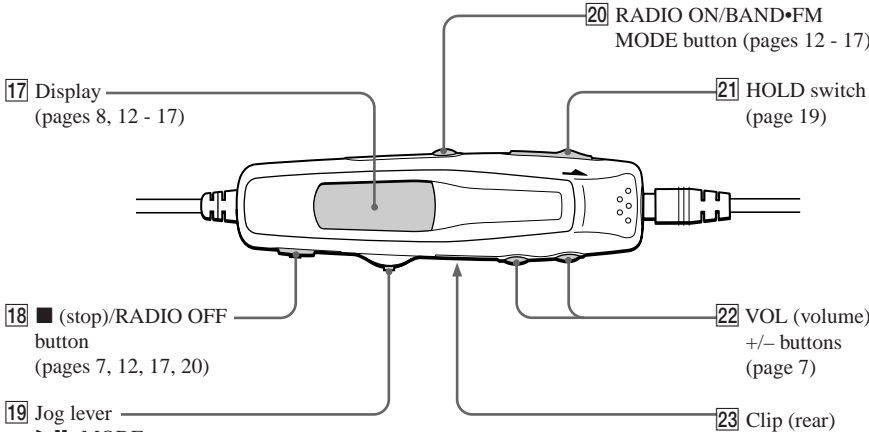
CD player (inside)



CD player (rear)



LCD remote control with builtin digital tuner



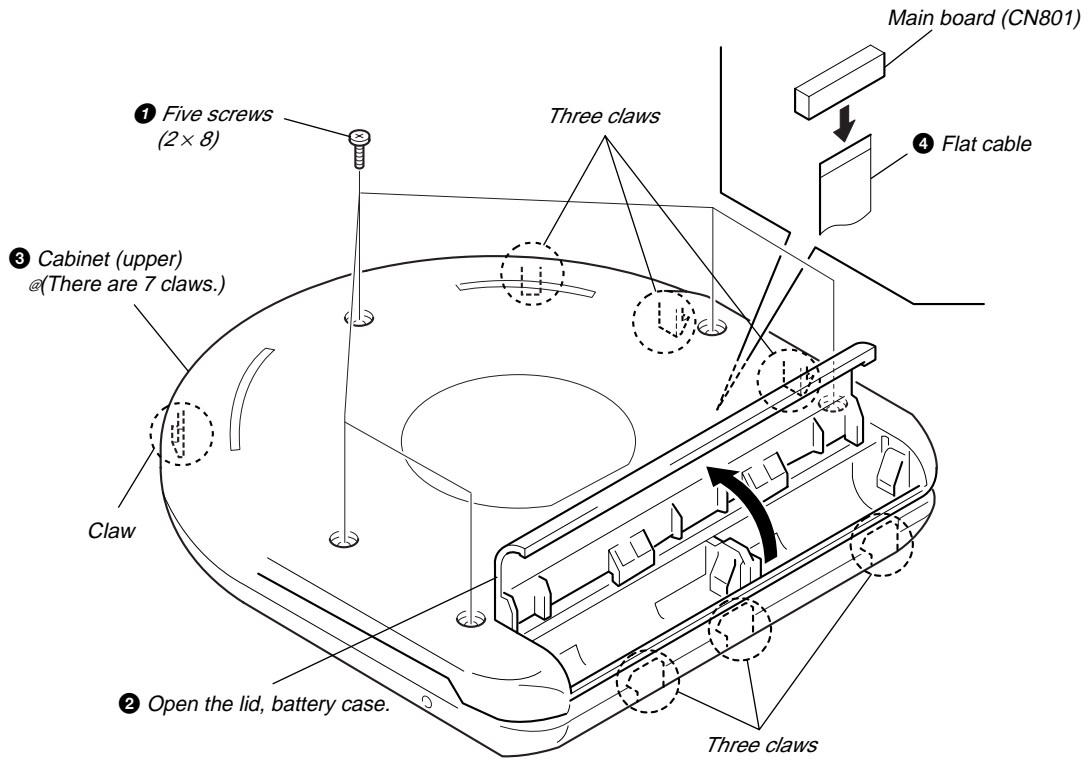
▶▶ •MODE:
 CD: play/pause (pages 7, 11)
 Radio: selecting tuning mode (pages 14, 15)
 ◀◀/▶▶•F -/F+:
 CD: AMS/search (pages 7, 10, 11)
 Radio: tuning, selecting preset number (pages 12, 15, 16)
 Press or slide the lever to operate your CD player.

Note
 Use only the supplied LCD remote control with builtin digital tuner. You cannot operate this CD player with the remote control supplied with other CD players.

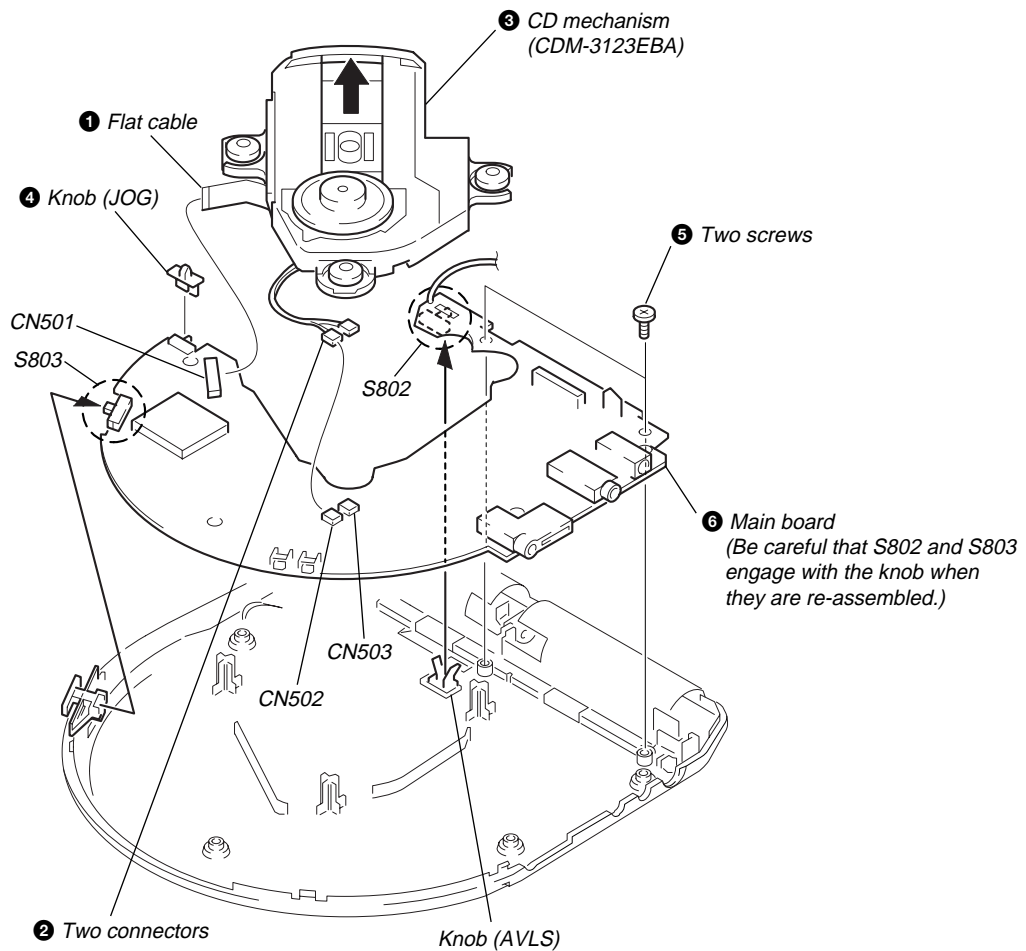
SECTION 3 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

3-1. CABINET (UPPER)



3-2. CDM-3123EBA AND MAIN BOARD



SECTION 4 ELECTRICAL ADJUSTMENTS

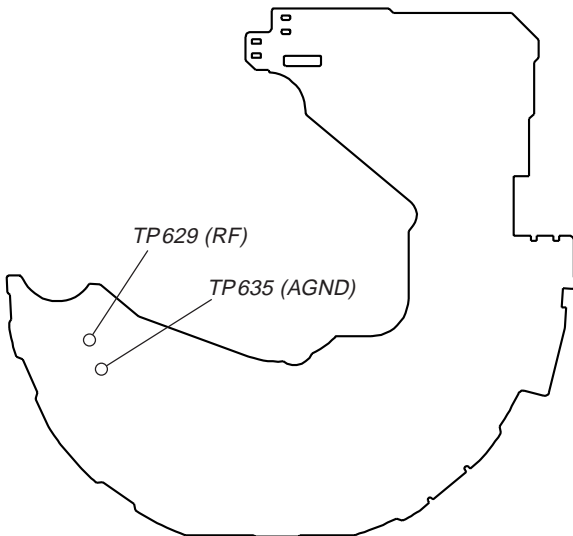
The CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

Precautions for Check

1. Perform check in the order given.
2. Use YEDS-18 disc (Part No.: 3-702-101-01) unless otherwise indicated.
3. Power supply voltage requirement: DC4.5 V in DC IN jack.
VOLUME button: Minimum
AVLS switch : NORM
HOLD switch : OFF

Checking Location:

– MAIN board (Side A) –

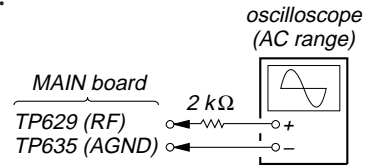


Focus bias Check

Condition:

- Hold the set in horizontal state.

Connection:

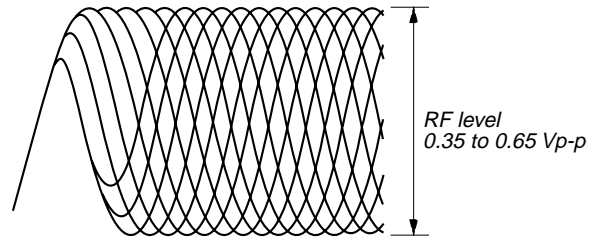


Procedure:

1. Connect the oscilloscope to the test points TP629 (RF) and TP635 (AGND) on the MAIN board.
2. Set a disc. (YEDS-18)
3. Press the button.
4. Check the oscilloscope waveform is as shown below.
A good eye pattern means that the diamond shape (◊) in the center of the waveform can be clearly distinguished.

RF Signal reference Waveform (Eye Pattern)

VOLT/DIV : 100 mV (With the 10:1 probe in use)
TIME/DIV : 500 ns



To watch the eye pattern, set the oscilloscope to AC range and increase the vertical sensitivity of the oscilloscope for easy watching.

5. Stop revolving of the disc motor by pressing the button.

SECTION 5 DIAGRAMS

5-1. IC PIN FUNCTION DESCRIPTION

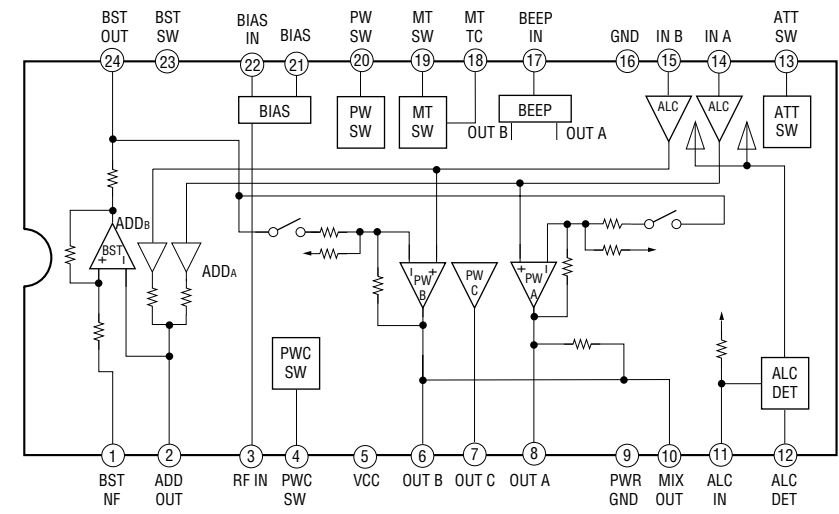
• IC801 TMP88CM22F-TR1 (MICRO COMPUTER)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Digital GND
2	NC	I/O	—
3	FOK_I	I	FOK input
4	AGCPWM_O	O	AGC PWM control (f=7.8kHz)
5	NC	O	XWRE monitor (for debug purpose on)
6	NC	O	XQOK monitor (for debug purpose on)
7	AMUTE_O	O	Analog mute on
8	VCC2ON_O	O	VCC2 switching
9	XRST_O	O	System reset
10	SCK_O	O	Serial clock to CXD3027R
11	MSDTI_I	I	Serial input from CXD3027R
12	MSDTO_O	O	Serial output to CXD3027R
13	WAKEUP_O	O	CXD3027R wake up
14	AD_SEL	I	Mode selection
15	AD_CHGMNT	I	Charging monitor
16	AD_KEY2	I	Set key detection
17	AD_BATMNT	I	Battery monitor
18	AD_KEY	I	Lid key detection
19	AD_RMKEY	I	Remocon key detection
20	AD_DCMNMT	I	DC-in monitor
21	WP_OPEN	I	Lid-open detection
22	VREFL	—	Analog GND for A/D
23	VREFH	—	Analog Vdd for A/D
24	VDD	—	Digital Vcpu
25	SCOR_I	I	SCOR input
26	GRSCOR_I	I	GRSCOR input
27	SPDL-MTR/FG_I	I	WFCK input
28	BEEP_O	O	BEEP sound (2.06kHz, 50% duty)
29	NC	O	—
30	RMSCK_O	O	Serial clock to CXD751
31	RMDATI_I	I	Serial input from CXD751
32	RMDATO_O	O	Serial output to CXD751
33	RMRW_O	O	CXD751 readwrite selection
34	RMRAT_O	O	CXD751 serial data latch
35	WFCK_I	I	—
36	COMPON_I	I	G-protection selection
37	SLVCD_I	I/O	—
38	AVLS_I	I	AVLS selection
39	HOLD_I	I	HOLD selection
40	BATDET_I	I	Bottom cell detection
41	DSP_SEL_I	I	“H”: CXD3027R, “L”: CXD3037R
42	XHGON_I	O	Pick-up Vcc control
43	XLAT_O	O	CXD3027R serial data latch
44	XSOE_O	O	CXD3027R serial data output enable
45	VOL_LT_O	O	Analog switch on when L/O inserted
46	XPOWLT_O	O	TB2119F serial data latch
47	XDOUTON_O	O	Digital out LED control
48	XAPC_OFF_O	O	APC mute
49	NC	—	—
50 — 68	SEG14 — 0	—	LCD segment output

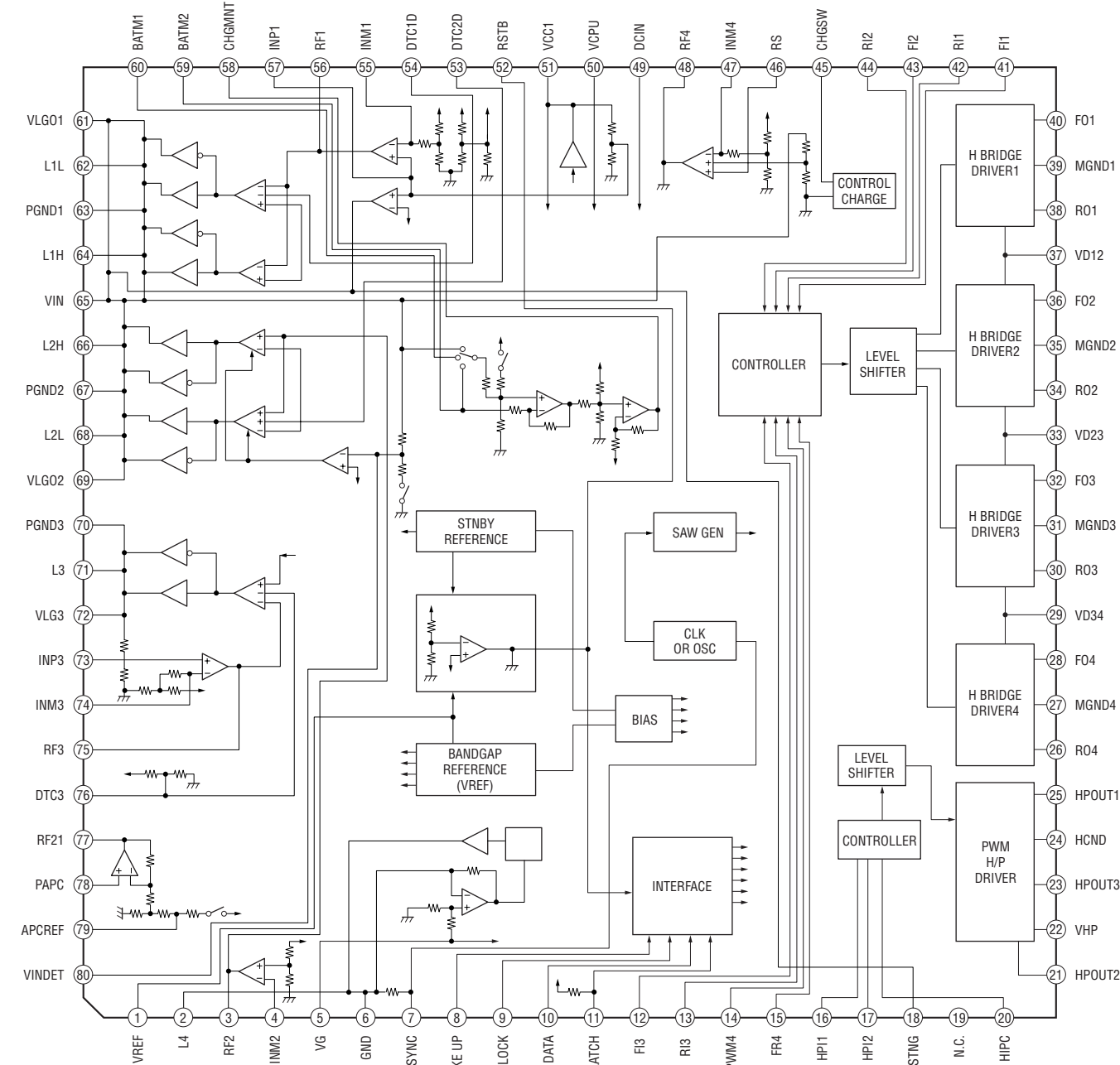
Pin No.	Pin Name	I/O	Description
69	V3	—	Charge pump C
70	V2	—	Charge pump C
71	V1	—	0.5Vcpu input
72	C1	—	Charge pump C
73	C0	—	Charge pump C
74	STOP	I	STOP mode release signal input
75	TEST	I	68kHz pull-down
76	SCSY_0	O	External BB control
77	XBACKLIGHT_0	O	LCD backlight control
78	RESET_I	I	MCU reset input
79	XIN	I	Crystal input from CXD3027R
80	XOUT	O	No connection

5-2. IC BLOCK DIAGRAMS

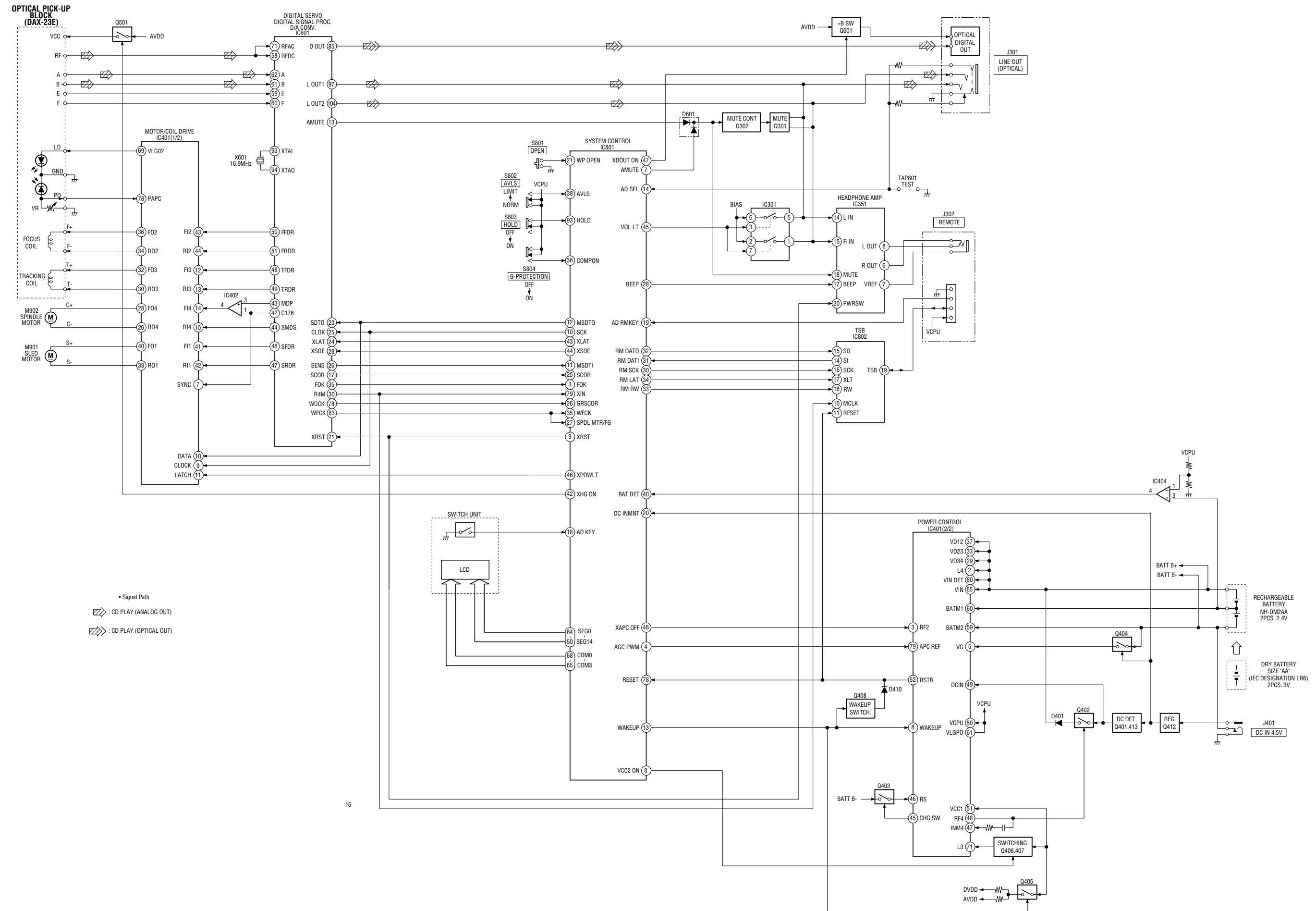
IC351 TA2120FN



IC401 TB2119F



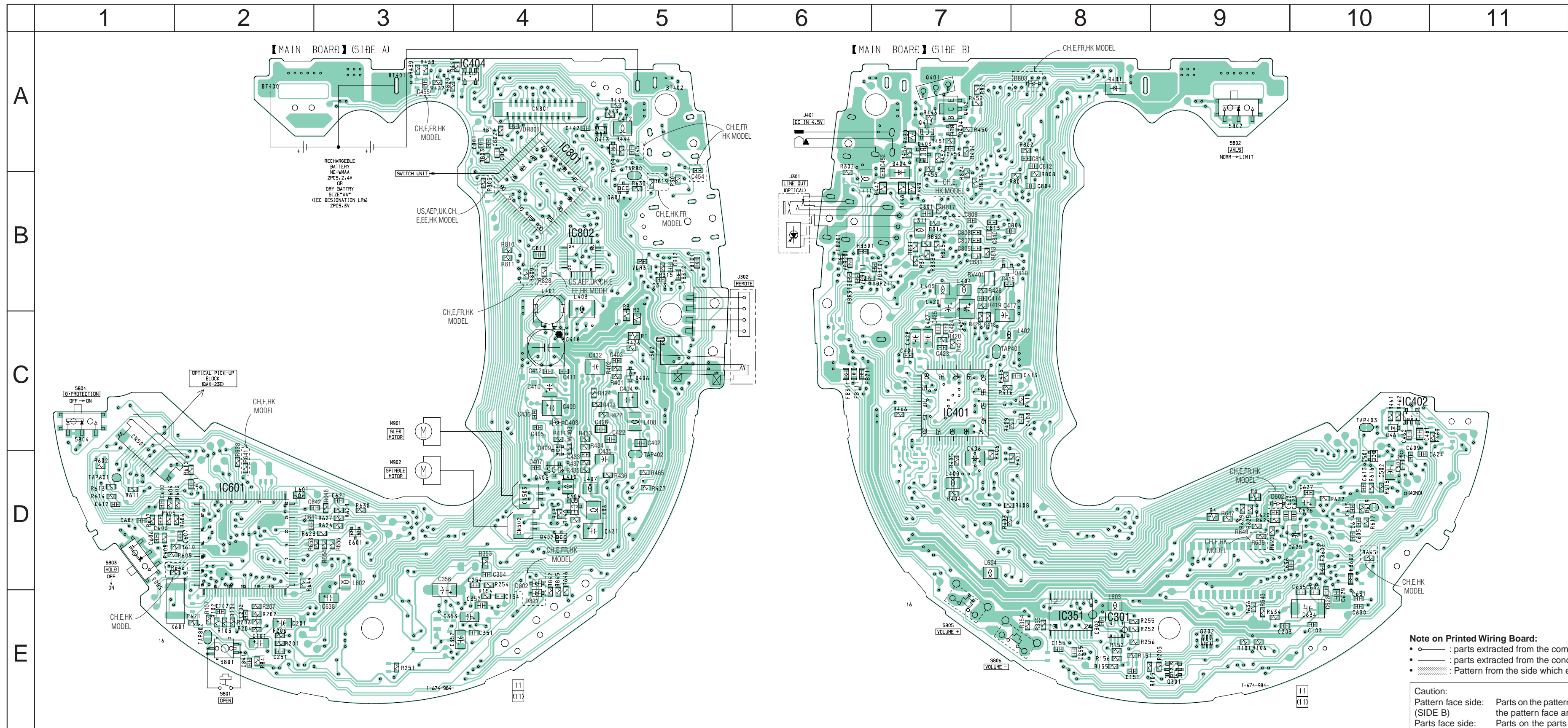
5-3. BLOCK DIAGRAM



5-4. PRINTED WIRING BOARD

• Semiconductor

Ref. No.	Location
D401	A-8
D403	C-4
D404	A-7
D406	C-5
D409	A-5
D410	C-4
D461	C-10
D601	D-3
D602	D-9
D801	D-4
D802	D-4
D803	A-8
IC301	E-8
IC351	E-8
IC401	C-7
IC402	C-10
IC404	A-4
IC601	D-2
IC801	B-4
IC802	B-4
Q301	E-9
Q302	E-9
Q401	A-7
Q402	A-7
Q403	A-7
Q404	A-7
Q405	D-4
Q406	D-4
Q407	D-4
Q408	D-4
Q409	C-4
Q410	B-7
Q412	A-7
Q413	A-5
Q501	C-10
Q601	A-5



Note on Printed Wiring Board:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- ▨ : Pattern from the side which enables seeing.

Caution:

Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.

Parts face side: Parts on the parts face side seen from the parts face are indicated.

• Abbreviation

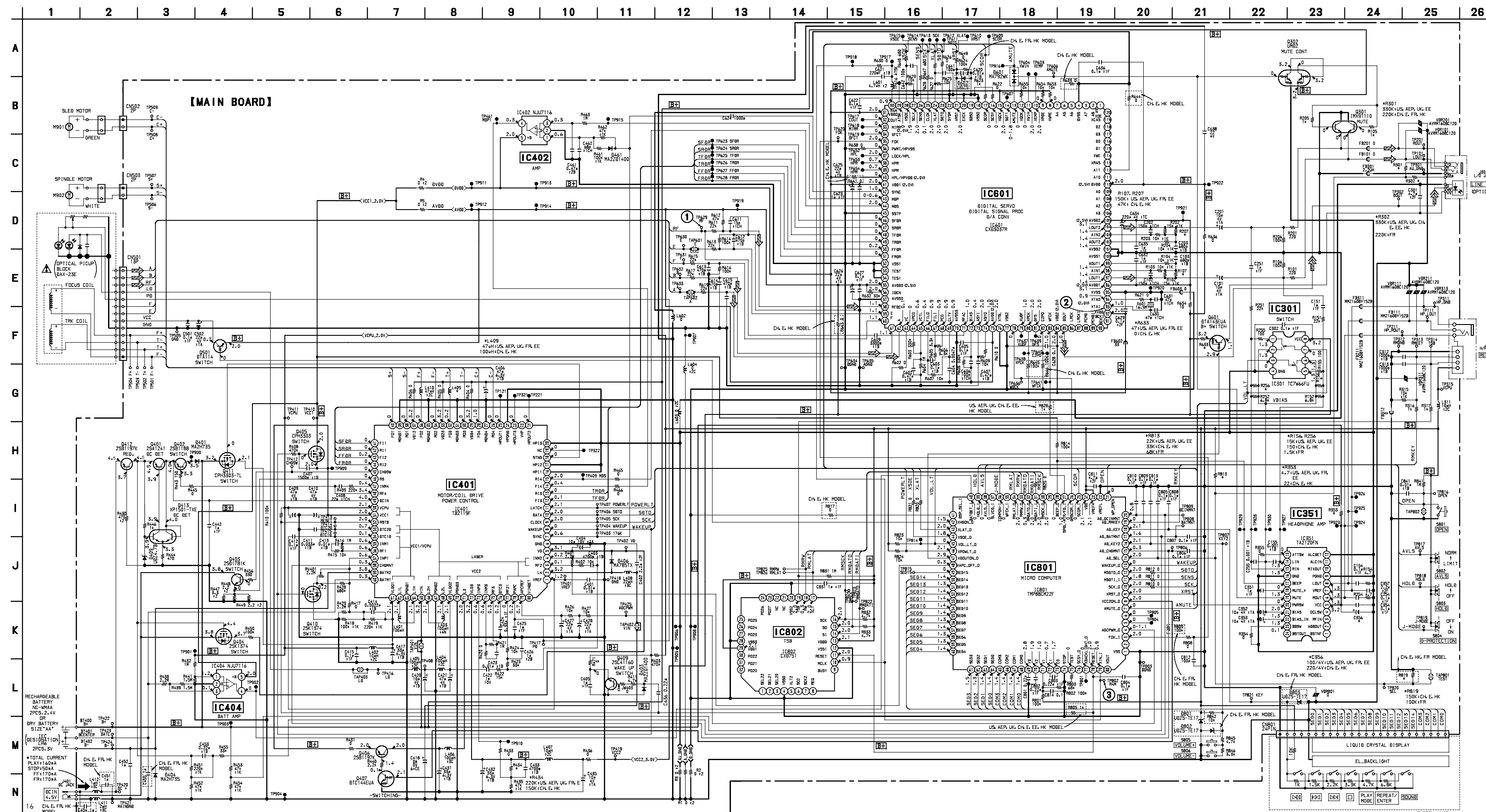
CH : Chinese model

EE : East European model

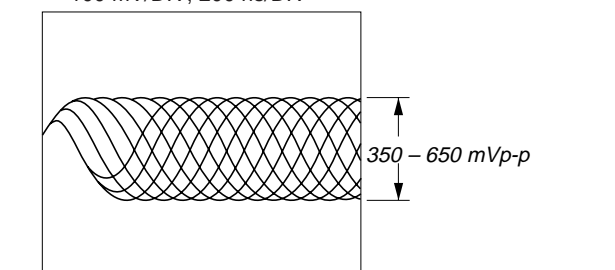
FR : French model

HK : Hong Kong model

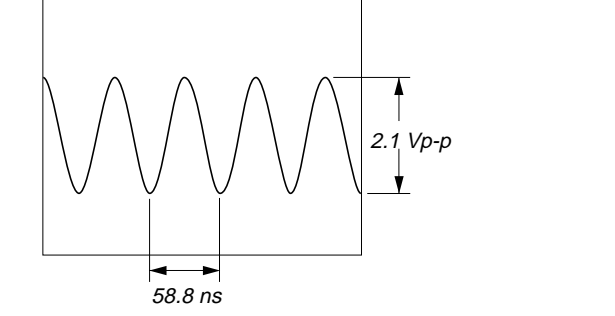
5-5. SCHEMATIC DIAGRAM • Refer to page 9 for IC Block Diagrams. • Refer to page 7 for IC Pin Function Description.



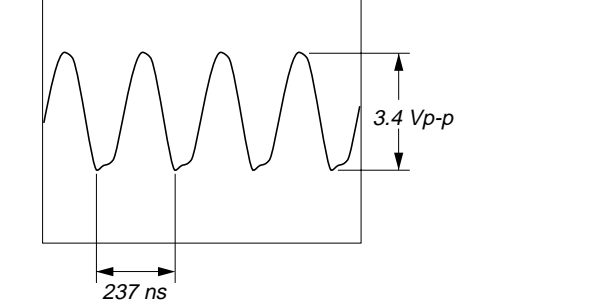
• Waveforms
 ① TP629 (RF) (PLAY MODE)
 100 mV/DIV, 200 ns/DIV



② IC601 (XTAI)
 500 mV/DIV, 20 ns/DIV



③ TP802 (R4M)
 1 V/DIV, 100 ns/DIV



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

- [B+]** : B+ Line.
- Power voltage is dc 4.5V and fed with regulated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect to ground in service mode.
- no mark : CD PLAY
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- \Rightarrow : CD PLAY (ANALOG OUT)
- \Rightarrow : CD PLAY (OPTICAL OUT)
- Abbreviation
- CH : Chinese model
- EE : East European model
- FR : French model
- HK : Hong Kong model

SECTION 6 EXPLODED VIEWS

NOTE:

- XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

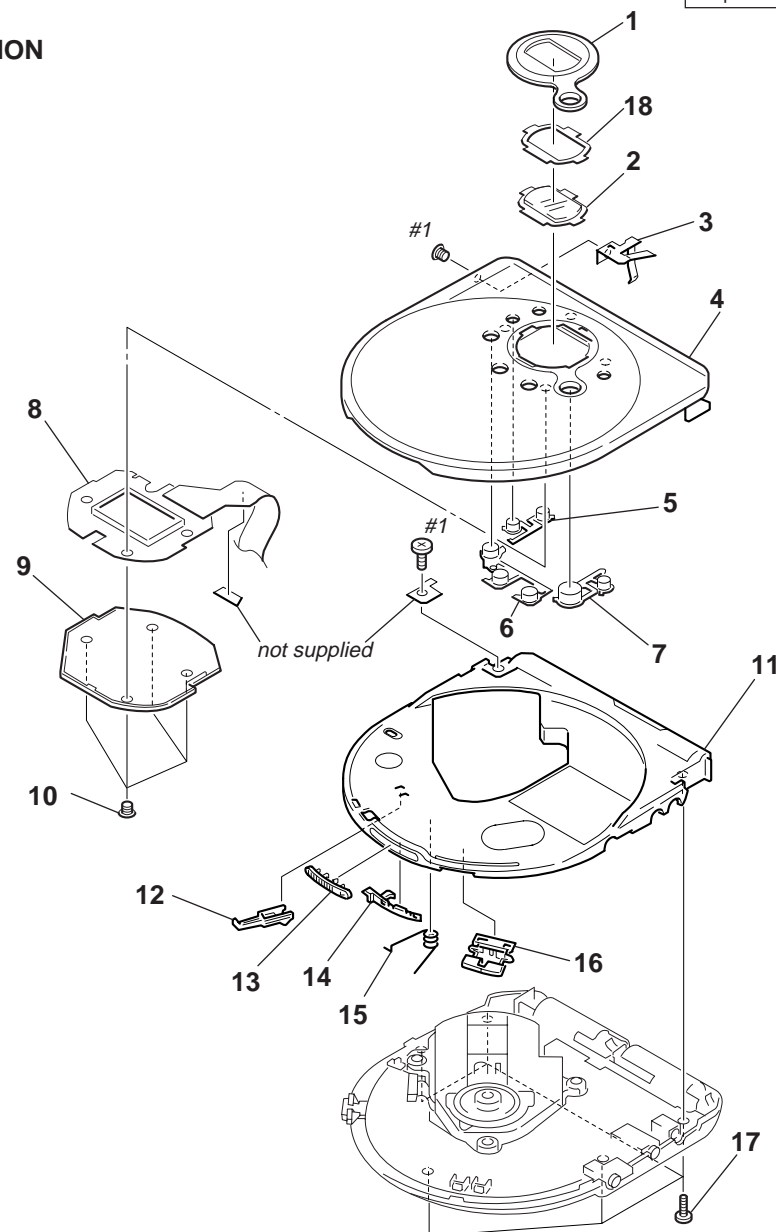
- Accessories and packing materials are given in the last of this parts list.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)

Parts of Color Cabinet's Color

- Abbreviation
CH : Chinese model
EE : East European model
FR : French model
HK : Hong Kong model

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

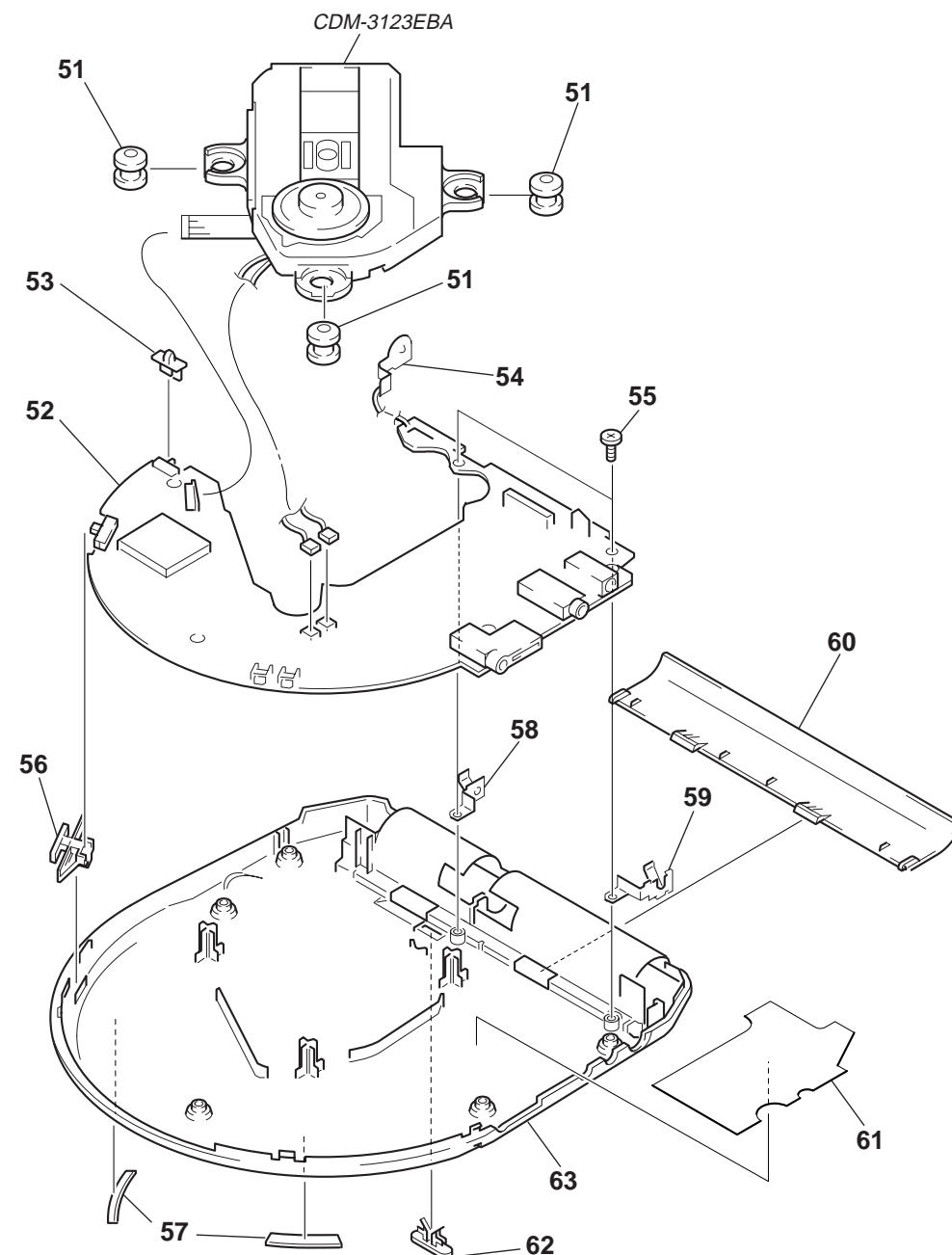
6-1. CABINET SECTION



Ref. No.	Part No.	Description	Remarks
1	4-222-780-21	RING COVER	
2	4-222-778-01	WINDOW (LCD)	
3	4-222-790-01	SPRING (POP UP)	
4	4-222-775-21	LID, UPPER (US, CH, E, FR, HK)	
4	4-222-775-81	LID, UPPER (AEP, UK, EE)	
5	4-222-781-01	BUTTON (MODE)	
6	4-222-788-01	BUTTON (SEARCH)	
7	4-222-787-01	BUTTON (PLAY)	
8	1-418-565-11	SWITCH UNIT	
9	4-222-789-21	LID, COVER (US, CH, E, FR, HK)	
9	4-222-789-41	LID, COVER (AEP, UK, EE)	

Ref. No.	Part No.	Description	Remarks
10	3-375-114-31	SCREW	
11	X-3378-861-1	CABINET (FRONT) SUB ASSY	
12	4-222-792-01	LEVER, DETECTOR	
13	4-222-793-01	KNOB (OPEN)	
14	4-222-794-01	CLAW, LOCK	
15	4-222-791-01	SPRING (OPEN)	
16	4-222-764-01	BUTTON (VOLUME)	
17	4-982-491-01	SCREW (2X8), TAPPING	
18	4-222-779-01	SHEET (COVER RING), ADHESIVE	
#1	7-627-552-28	SCREW, PRECISION +P 1.7X2	

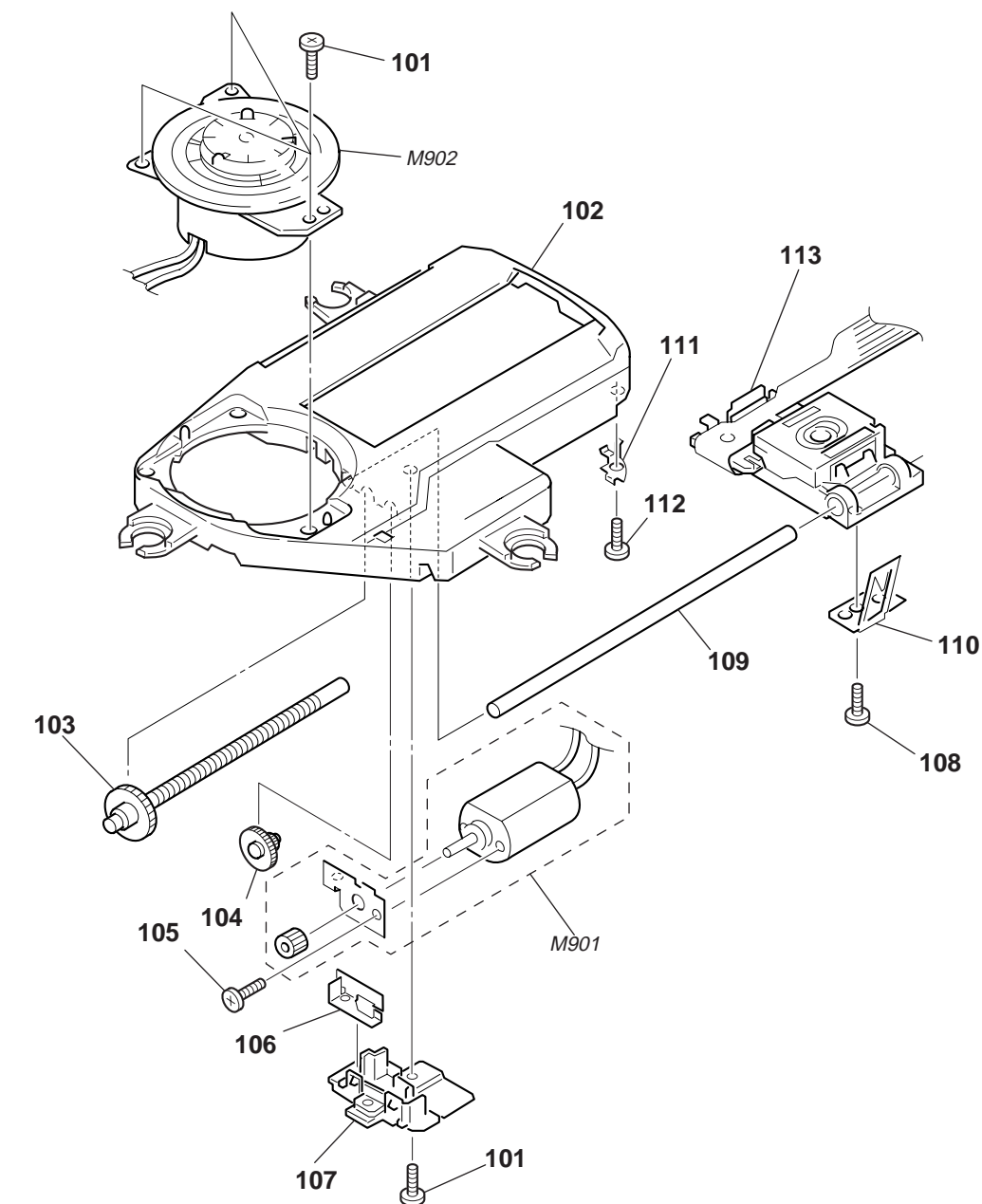
6-2. MAIN SECTION



Ref. No.	Part No.	Description	Remarks
51	4-222-765-01	INSULATOR	
52	A-3323-528-A	MAIN BOARD, COMPLETE (US, AEP, UK, EE)	
52	A-3323-529-A	MAIN BOARD, COMPLETE (FR)	
52	A-3323-530-A	MAIN BOARD, COMPLETE (CH, E, HK)	
53	4-222-762-01	KNOB (JOG)	
54	4-222-766-01	TERMINAL (+), BATTERY	
55	3-375-114-81	SCREW	
56	4-993-131-31	KNOB (HOLD)	

Ref. No.	Part No.	Description	Remarks
57	4-224-048-01	FOOT, RUBBER	
58	4-222-768-01	TERMINAL (+, -), BATTERY	
59	4-222-767-01	TERMINAL (-), BATTERY	
60	4-222-769-01	LID, BATTERY CASE	
61	3-046-492-01	SHEET, COPPER LEAF	
62	4-984-751-51	KNOB (AVLS)	
63	4-222-777-01	CABINET (REAR)	

6-3. MECHANISM SECTION (CDM-3123EBA)



Ref. No.	Part No.	Description	Remarks
101	3-318-203-71	SCREW (B1.7X5), TAPPING	
102	4-218-820-01	CHASSIS	
103	A-3328-628-A	SCREW (FEED) ASSY	
104	4-218-823-01	GEAR (B)	
105	4-964-564-01	SCREW (M1.2X1.6)	
106	4-218-821-01	COVER, GEAR	
107	4-218-825-01	SPRING (SLED)	
108	3-895-823-61	SCREW (B1.4X2.3), TAPPING	

Ref. No.	Part No.	Description	Remarks
109	4-220-645-01	SHAFT, STANDARD	
110	4-223-600-01	RACK	
111	4-218-827-01	BRACKET (SHAFT)	
112	3-686-458-03	SCREW (P1.4X3.5), TAPPING	
Δ 113	X-4952-506-1	OPTICAL PICK-UP BLOCK (DAX-23E)	
M901	A-3328-627-A	MOTOR ASSY, SLED (WITH GEAR)	
M902	A-3328-759-A	MOTOR ASSY, TURN TABLE (SPINDLE)	

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

SECTION 7 ELECTRICAL PARTS LIST

MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
uF: μ F

- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

- Abbreviation
CH : Chinese model
EE : East European model
FR : French model
HK : Hong Kong model
E13 : AC220-230V area model
E33 : AC100-240V area model

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-3323-528-A	MAIN BOARD, COMPLETE (US,AEP,UK,EE) *****		C408	1-162-919-11	CERAMIC CHIP 22PF	5% 50V
	A-3323-530-A	MAIN BOARD, COMPLETE (CH,E,HK) *****		C409	1-110-569-11	TANTAL. CHIP 47uF	20.00% 4V
	A-3323-529-A	MAIN BOARD, COMPLETE (FR) *****		C410	1-110-569-11	TANTAL. CHIP 47uF	20.00% 4V
	1-791-471-11	WIRE		C411	1-164-677-11	CERAMIC CHIP 0.033uF	10.00% 16V
	4-222-766-01	TERMINAL (+), BATTERY		C412	1-164-156-11	CERAMIC CHIP 0.1uF	25V
		< CAPACITOR >		C413	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C101	1-135-201-11	TANTALUM CHIP 10uF	20% 4V	C414	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V
C102	1-164-217-11	CERAMIC CHIP 150PF	5.00% 50V	C415	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C103	1-162-963-11	CERAMIC CHIP 680PF	10% 50V	C417	1-119-661-11	TANTAL. CHIP 33uF	20.00% 6.3V
C151	1-115-156-11	CERAMIC CHIP 1uF	10V	C418	1-128-705-11	ELECT OPF	0V
C154	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C420	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
C155	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C421	1-110-569-11	TANTAL. CHIP 47uF	20.00% 4V
C201	1-135-201-11	TANTALUM CHIP 10uF	20% 4V	C422	1-109-982-11	CERAMIC CHIP 1uF	10.00% 10V
C202	1-164-217-11	CERAMIC CHIP 150PF	5.00% 50V	C423	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V
C203	1-162-963-11	CERAMIC CHIP 680PF	10% 50V	C424	1-165-112-11	CERAMIC CHIP 0.33uF	16V
C251	1-115-156-11	CERAMIC CHIP 1uF	10V	C425	1-115-156-11	CERAMIC CHIP 1uF	10V
C254	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C426	1-109-982-11	CERAMIC CHIP 1uF	10.00% 10V
C255	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C427	1-104-847-11	TANTAL. CHIP 22uF	20.00% 4V
C301	1-117-720-11	CERAMIC CHIP 4.7uF	10V	C428	1-104-847-11	TANTAL. CHIP 22uF	20.00% 4V
C302	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C431	1-119-661-11	TANTAL. CHIP 33uF	20.00% 6.3V
C312	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C432	1-119-661-11	TANTAL. CHIP 33uF	20.00% 6.3V
C313	1-162-964-11	CERAMIC CHIP 0.001uF	10% 50V	C433	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V
C351	1-115-156-11	CERAMIC CHIP 1uF	10V	C435	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
C352	1-135-201-11	TANTALUM CHIP 10uF	20% 4V	C436	1-115-467-11	CERAMIC CHIP 0.22uF	10.00% 10V
C353	1-135-201-11	TANTALUM CHIP 10uF	20% 4V	C442	1-115-156-11	CERAMIC CHIP 1uF	10V
C354	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C451	1-115-156-11	CERAMIC CHIP 1uF	10V (CH,E,FR,HK)
C356	1-104-848-11	TANTAL. CHIP 100uF	20.00% 4V (US,AEP,UK,FR,EE)	C452	1-115-156-11	CERAMIC CHIP 1uF	10V
C356	1-125-899-11	TANTAL. CHIP 220uF	20.00% 4V (CH,E,HK)	C453	1-115-467-11	CERAMIC CHIP 0.22uF	10.00% 10V
C357	1-164-505-11	CERAMIC CHIP 2.2uF	16V	C454	1-115-156-11	CERAMIC CHIP 1uF	10V (CH,E,FR,HK)
C401	1-162-970-11	CERAMIC CHIP 0.01uF	10% 25V	C455	1-115-156-11	CERAMIC CHIP 1uF	10V (CH,E,FR,HK)
C402	1-164-505-11	CERAMIC CHIP 2.2uF	16V	C461	1-107-823-11	CERAMIC CHIP 0.47uF	10.00% 16V
C403	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V	C462	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V
C404	1-104-913-11	TANTAL. CHIP 10uF	20.00% 16V	C501	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C405	1-115-156-11	CERAMIC CHIP 1uF	10V	C502	1-104-847-11	TANTAL. CHIP 22uF	20.00% 4V
C406	1-110-569-11	TANTAL. CHIP 47uF	20.00% 6.3V	C602	1-115-467-11	CERAMIC CHIP 0.22uF	10.00% 10V
C407	1-162-965-11	CERAMIC CHIP 0.0015uF	10% 50V	C603	1-107-826-11	CERAMIC CHIP 0.1uF	10.00% 16V
				C604	1-162-968-11	CERAMIC CHIP 0.0047uF	10% 50V
				C605	1-164-156-11	CERAMIC CHIP 0.1uF	25V
				C606	1-162-927-11	CERAMIC CHIP 100PF	5% 50V
				C607	1-125-891-11	CERAMIC CHIP 0.47uF	10.00% 10V

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C609	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V	D803	8-719-069-54	DIODE UDZS-TE17-5.1B (CH,E,FR,HK)	
C611	1-162-917-11	CERAMIC CHIP	15PF 5% 50V			< FERRITE BEAD >	
C612	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	FB101	1-216-864-11	METAL CHIP	0 5% 1/16W
C613	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	FB111	1-500-234-11	FERRITE	0uH
C614	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	FB201	1-216-864-11	METAL CHIP	0 5% 1/16W
C615	1-162-962-11	CERAMIC CHIP	470PF 10% 50V	FB211	1-500-234-11	FERRITE	0uH
C620	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	FB301	1-412-983-31	INDUCTOR	2.2uH
C621	1-162-960-11	CERAMIC CHIP	220PF 10% 50V	FB311	1-500-234-11	FERRITE	0uH
C622	1-164-156-11	CERAMIC CHIP	0.1uF 25V	FB312	1-216-864-11	METAL CHIP	0 5% 1/16W
C623	1-115-156-11	CERAMIC CHIP	1uF 10V	FB602	1-216-803-11	METAL CHIP	33 5% 1/16W
C624	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	FB603	1-216-864-11	METAL CHIP	0 5% 1/16W
C625	1-104-847-11	TANTAL. CHIP	22uF 20.00% 4V			< IC >	
C626	1-104-847-11	TANTAL. CHIP	22uF 20.00% 4V	IC301	8-759-488-29	IC TC7W66FU(TE12R)	
C627	1-164-156-11	CERAMIC CHIP	0.1uF 25V	IC351	8-759-522-87	IC TA2120FN(EL)	
C628	1-164-156-11	CERAMIC CHIP	0.1uF 25V	IC401	8-759-642-56	IC TB2119F	
C629	1-164-505-11	CERAMIC CHIP	2.2uF 16V	IC402	8-759-651-13	IC NJU7116F (TE2)	
C630	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	IC404	8-759-651-13	IC NJU7116F (TE2)	
C631	1-162-923-11	CERAMIC CHIP	47PF 5% 50V	IC601	8-752-398-18	IC CXD3027R	
C632	1-115-156-11	CERAMIC CHIP	1uF 10V	IC801	8-759-676-95	IC TMP88CM22F-TR1	
C634	1-125-899-11	TANTAL. CHIP	220uF 20.00% 4V	IC802	8-752-397-55	IC CXD751-103R	
C635	1-115-156-11	CERAMIC CHIP	1uF 10V			< JACK >	
C636	1-164-156-11	CERAMIC CHIP	0.1uF 25V	J301	1-793-659-11	JACK, OPTICAL OUT (LINE OUT(OPTICAL))	
C638	1-104-847-11	TANTAL. CHIP	22uF 20.00% 4V	J302	1-793-967-61	JACK (REMOTE)	
C641	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	J401	1-778-153-21	JACK,DC(POLARITY UNIFIED TYPE)(DC IN 4.5V)	
C642	1-162-927-11	CERAMIC CHIP	100PF 5% 50V			< JUMPER RESISTOR >	
C801	1-165-128-11	CERAMIC CHIP	0.22uF 16V	JW403	1-216-864-11	METAL CHIP	0 5% 1/16W
C802	1-165-128-11	CERAMIC CHIP	0.22uF 16V			< COIL >	
C803	1-165-128-11	CERAMIC CHIP	0.22uF 16V	L311	1-414-754-11	INDUCTOR	10uH
C804	1-165-128-11	CERAMIC CHIP	0.22uF 16V	L401	1-419-188-11	INDUCTOR	100uH
C805	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L402	1-414-754-11	INDUCTOR	10uH
C806	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L403	1-414-434-11	INDUCTOR	100uH
C807	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L404	1-414-757-11	INDUCTOR	100uH
C808	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L405	1-414-757-11	INDUCTOR	100uH
C809	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L406	1-414-404-11	INDUCTOR	100uH
C810	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L407	1-414-754-11	INDUCTOR	10uH
C811	1-117-720-11	CERAMIC CHIP	4.7uF 10V	L408	1-414-400-11	INDUCTOR	22uH
C812	1-162-927-11	CERAMIC CHIP	100PF 5% 50V	L409	1-414-756-11	INDUCTOR	47uH (US,AEP,UK,FR,EE)
C813	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L409	1-414-757-11	INDUCTOR	100uH (CH,E,HK)
C814	1-164-156-11	CERAMIC CHIP	0.1uF 25V	L410	1-414-756-11	INDUCTOR	47uH
C831	1-115-156-11	CERAMIC CHIP	1uF 10V	L411	1-414-394-11	INDUCTOR	2.2uH
C841	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	L412	1-414-392-21	INDUCTOR	1uH
		< CONNECTOR >		L601	1-412-002-31	INDUCTOR CHIP	4.7uH
* CN501	1-793-627-21	CONNECTOR (SMT) 13P		L602	1-216-295-91	SHORT	0
CN502	1-784-342-31	HOUSING, CONNECTOR 2P		L603	1-216-295-91	SHORT	0
CN503	1-784-342-21	HOUSING, CONNECTOR 2P		L604	1-216-295-91	SHORT	0
CN801	1-766-492-21	CONNECTOR, FFC/FPC (ZIF) 24P				< TRANSISTOR >	
		< DIODE >		Q301	8-729-043-90	TRANSISTOR	IMX9T110
D401	8-719-067-42	DIODE MA2H735-(TX).SO		Q302	8-729-930-00	TRANSISTOR	UMD2
D403	8-719-072-70	DIODE MA2ZD14001S0		Q401	8-729-050-27	TRANSISTOR	FS3KM-14A
D404	8-719-067-42	DIODE MA2H735-(TX).SO		Q402	8-729-920-82	TRANSISTOR	2SB1188-QR
D406	8-719-071-87	DIODE MA785-(TX),SO		Q403	8-729-921-73	TRANSISTOR	2SD1781K-QR
D409	8-719-976-96	DIODE DTZ4.7C					
D461	8-719-072-70	DIODE MA2ZD14001S0					
D601	8-719-044-74	DIODE MA792WK-TX					
D602	8-719-069-54	DIODE UDZS-TE17-5.1B(CH,E,FR,HK)					
D801	8-719-069-54	DIODE UDZS-TE17-5.1B (CH,E,FR,HK)					
D802	8-719-069-54	DIODE UDZS-TE17-5.1B (CH,E,FR,HK)					

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Q404	8-729-425-41	TRANSISTOR	2SK1374	R301	1-216-851-11	METAL CHIP	330K 5% 1/16W (US,AEP,UK,EE)
Q405	8-729-047-36	TRANSISTOR	CPH3303-TL	R301	1-216-849-11	METAL CHIP	220K 5% 1/16W (CH,E,FR,HK)
Q406	8-729-904-86	TRANSISTOR	2SB1197K-Q	R302	1-216-851-11	METAL CHIP	330K 5% 1/16W (US,AEP,UK,CH,E,EE,HK)
Q407	8-729-029-14	TRANSISTOR	DTC144EUA-T106	R302	1-216-849-11	METAL CHIP	220K 5% 1/16W (FR)
Q409	8-729-231-74	TRANSISTOR	2SC4116-GL	R315	1-218-871-11	METAL CHIP	10K 0.5% 1/16W
Q410	8-729-425-41	TRANSISTOR	2SK1374	R316	1-216-821-11	METAL CHIP	1K 5% 1/16W
Q411	8-729-047-36	TRANSISTOR	CPH3303-TL	R317	1-216-821-11	METAL CHIP	1K 5% 1/16W
Q412	8-729-904-86	TRANSISTOR	2SB1197K-Q	R353	1-216-308-00	METAL CHIP	4.7 5% 1/10W (US,AEP,UK,FR,EE)
Q413	8-729-429-44	TRANSISTOR	XP1501	R353	1-216-009-00	RES-CHIP	22 5% 1/10W (CH,E,HK)
Q501	8-729-028-74	TRANSISTOR	DTA114TUA-T106	R354	1-216-864-11	METAL CHIP	0 5% 1/16W
Q601	8-729-028-86	TRANSISTOR	DTA143EUA-T106	R355	1-216-864-11	METAL CHIP	0 5% 1/16W
		< RESISTOR >		R401	1-216-861-11	METAL CHIP	2.2M 5% 1/16W
R1	1-216-295-91	SHORT	0	R402	1-216-833-11	RES-CHIP	10K 5% 1/16W
R2	1-216-295-91	SHORT	0	R403	1-216-853-11	METAL CHIP	470K 5% 1/16W
R3	1-216-295-91	SHORT	0	R404	1-216-864-11	METAL CHIP	0 5% 1/16W
R4	1-216-295-91	SHORT	0	R405	1-216-864-11	METAL CHIP	0 5% 1/16W
R5	1-216-295-91	SHORT	0	R406	1-216-864-11	METAL CHIP	0 5% 1/16W
R101	1-216-813-11	METAL CHIP	220 5% 1/16W	R408	1-216-853-11	METAL CHIP	470K 5% 1/16W
R102	1-218-875-11	METAL CHIP	15K 0.5% 1/16W	R409	1-216-849-11	METAL CHIP	220K 5% 1/16W
R103	1-218-871-11	METAL CHIP	10K 0.5% 1/16W	R410	1-216-845-11	METAL CHIP	100K 5% 1/16W
R104	1-218-871-11	METAL CHIP	10K 0.5% 1/16W	R411	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
R105	1-216-821-11	METAL CHIP	1K 5% 1/16W	R415	1-216-833-11	RES-CHIP	10K 5% 1/16W
R106	1-216-845-11	METAL CHIP	100K 5% 1/16W	R416	1-216-857-11	METAL CHIP	1M 5% 1/16W
R107	1-218-899-11	METAL CHIP	150K 0.5% 1/16W (US,AEP,UK,FR,EE)	R417	1-216-864-11	METAL CHIP	0 5% 1/16W
R107	1-218-887-11	METAL CHIP	47K 0.5% 1/16W (CH,E,HK)	R418	1-218-895-11	METAL CHIP	100K 0.5% 1/16W
R151	1-216-837-11	METAL CHIP	22K 5% 1/16W	R419	1-218-903-11	METAL CHIP	220K 0.5% 1/16W
R152	1-216-831-11	METAL CHIP	6.8K 5% 1/16W	R420	1-216-864-11	METAL CHIP	0 5% 1/16W
R154	1-216-793-11	RES-CHIP	4.7 5% 1/16W	R421	1-216-857-11	METAL CHIP	1M 5% 1/16W
R155	1-216-809-11	METAL CHIP	100 5% 1/16W	R422	1-216-835-11	METAL CHIP	15K 5% 1/16W
R156	1-216-835-11	METAL CHIP	15K 5% 1/16W (US,AEP,UK,EE)	R423	1-216-839-11	METAL CHIP	33K 5% 1/16W
R156	1-216-847-11	METAL CHIP	150K 5% 1/16W (CH,E,HK)	R424	1-216-833-11	RES-CHIP	10K 5% 1/16W
R156	1-216-823-11	METAL CHIP	1.5K 5% 1/16W (FR)	R426	1-216-833-11	RES-CHIP	10K 5% 1/16W
R201	1-216-813-11	METAL CHIP	220 5% 1/16W	R427	1-216-833-11	RES-CHIP	10K 5% 1/16W
R202	1-218-875-11	METAL CHIP	15K 0.5% 1/16W	R428	1-218-915-11	METAL CHIP	680K 0.5% 1/16W
R203	1-218-871-11	METAL CHIP	10K 0.5% 1/16W	R429	1-216-861-11	METAL CHIP	2.2M 5% 1/16W
R204	1-218-871-11	METAL CHIP	10K 0.5% 1/16W	R430	1-216-041-00	METAL CHIP	470 5% 1/10W
R205	1-216-821-11	METAL CHIP	1K 5% 1/16W	R431	1-216-864-11	METAL CHIP	0 5% 1/16W
R206	1-216-845-11	METAL CHIP	100K 5% 1/16W	R432	1-216-857-11	METAL CHIP	1M 5% 1/16W
R207	1-218-899-11	METAL CHIP	150K 0.5% 1/16W (US,AEP,UK,FR,EE)	R433	1-216-864-11	METAL CHIP	0 5% 1/16W
R207	1-218-887-11	METAL CHIP	47K 0.5% 1/16W (CH,E,HK)	R434	1-218-903-11	METAL CHIP	220K 0.5% 1/16W (US,AEP,UK,FR,EE)
R251	1-216-837-11	METAL CHIP	22K 5% 1/16W (US,AEP,UK,CH,E,EE,HK)	R434	1-218-899-11	METAL CHIP	150K 0.5% 1/16W (CH,E,HK)
R252	1-216-831-11	METAL CHIP	6.8K 5% 1/16W	R435	1-218-887-11	METAL CHIP	47K 0.5% 1/16W
R254	1-216-793-11	RES-CHIP	4.7 5% 1/16W	R436	1-216-864-11	METAL CHIP	0 5% 1/16W
R255	1-216-809-11	METAL CHIP	100 5% 1/16W	R438	1-216-861-11	METAL CHIP	2.2M 5% 1/16W
R256	1-216-835-11	METAL CHIP	15K 5% 1/16W (US,AEP,UK,EE)	R439	1-216-859-11	RES-CHIP	1.5M 5% 1/16W
R256	1-216-847-11	METAL CHIP	150K 5% 1/16W (CH,E,HK)	R440	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
R256	1-216-823-11	METAL CHIP	1.5K 5% 1/16W (FR)	R441	1-216-859-11	RES-CHIP	1.5M 5% 1/16W
				R443	1-216-811-11	METAL CHIP	150 5% 1/16W
				R444	1-216-817-11	METAL CHIP	470 5% 1/16W
				R445	1-216-864-11	METAL CHIP	0 5% 1/16W

MAIN

Ref. No.	Part No.	Description	Quantity	Unit	Percentage	Remarks
R446	1-216-821-11	METAL CHIP	1K		5%	1/16W
R447	1-216-304-11	METAL CHIP	3.3		5%	1/10W
R448	1-216-298-00	METAL CHIP	2.2		5%	1/10W
R449	1-216-298-00	METAL CHIP	2.2		5%	1/10W
R450	1-216-845-11	METAL CHIP	100K		5%	1/16W
R451	1-218-903-11	METAL CHIP	220K		0.5%	1/16W
R452	1-218-887-11	METAL CHIP	47K		0.5%	1/16W
R453	1-218-887-11	METAL CHIP	47K		0.5%	1/16W
R454	1-218-887-11	METAL CHIP	47K		0.5%	1/16W
R455	1-216-839-11	METAL CHIP	33K		5%	1/16W
R456	1-216-815-11	METAL CHIP	330		5%	1/16W
R461	1-218-895-11	METAL CHIP	100K		0.5%	1/16W
R462	1-218-887-11	METAL CHIP	47K		0.5%	1/16W
R463	1-216-857-11	METAL CHIP	1M		5%	1/16W
R465	1-216-864-11	METAL CHIP	0		5%	1/16W
R466	1-216-864-11	METAL CHIP	0		5%	1/16W
R471	1-216-864-11	METAL CHIP	0		5%	1/16W
R602	1-216-864-11	METAL CHIP	0		5%	1/16W
R603	1-216-851-11	METAL CHIP	330K		5%	1/16W
R604	1-216-857-11	METAL CHIP	1M		5%	1/16W
R605	1-216-827-11	METAL CHIP	3.3K		5%	1/16W
R606	1-216-827-11	METAL CHIP	3.3K		5%	1/16W
R607	1-216-833-11	RES-CHIP	10K		5%	1/16W
R608	1-216-851-11	METAL CHIP	330K		5%	1/16W
R609	1-216-833-11	RES-CHIP	10K		5%	1/16W
R610	1-216-864-11	METAL CHIP	0		5%	1/16W
R611	1-216-837-11	METAL CHIP	22K		5%	1/16W
R612	1-216-841-11	METAL CHIP	47K		5%	1/16W
R613	1-216-837-11	METAL CHIP	22K		5%	1/16W
R614	1-216-845-11	METAL CHIP	100K		5%	1/16W
R615	1-216-837-11	METAL CHIP	22K		5%	1/16W
R616	1-216-845-11	METAL CHIP	100K		5%	1/16W
R617	1-216-837-11	METAL CHIP	22K		5%	1/16W
R619	1-216-837-11	METAL CHIP	22K		5%	1/16W
R621	1-216-864-11	METAL CHIP	0		5%	1/16W
R622	1-216-864-11	METAL CHIP	0		5%	1/16W
R623	1-216-821-11	METAL CHIP	1K		5%	1/16W
R624	1-216-845-11	METAL CHIP	100K		5%	1/16W
R625	1-216-833-11	RES-CHIP	10K		5%	1/16W
R626	1-216-864-11	METAL CHIP	0		5%	1/16W
R627	1-216-864-11	METAL CHIP	0		5%	1/16W
R628	1-216-864-11	METAL CHIP	0		5%	1/16W
R629	1-216-833-11	RES-CHIP	10K		5%	1/16W
R630	1-216-864-11	METAL CHIP	0		5%	1/16W
R632	1-216-839-11	METAL CHIP	33K		5%	1/16W
R633	1-216-805-11	METAL CHIP	47		5%	1/16W (US,AEP,UK,FR,EE)
R633	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R634	1-216-797-11	METAL CHIP	10		5%	1/16W
R636	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R638	1-216-864-11	METAL CHIP	0		5%	1/16W

Ref. No.	Part No.	Description	Quantity	Unit	Percentage	Remarks
R639	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R641	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R643	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R644	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R645	1-216-845-11	METAL CHIP	100K		5%	1/16W (CH,E,HK)
R646	1-216-845-11	METAL CHIP	100K		5%	1/16W (CH,E,HK)
R647	1-216-819-11	METAL CHIP	680		5%	1/16W
R648	1-216-819-11	METAL CHIP	680		5%	1/16W
R649	1-216-819-11	METAL CHIP	680		5%	1/16W
R653	1-216-833-11	RES-CHIP	10K		5%	1/16W
R654	1-216-833-91	RES-CHIP	10K		5%	1/16W
R655	1-216-833-91	RES-CHIP	10K		5%	1/16W
R801	1-216-845-11	METAL CHIP	100K		5%	1/16W
R802	1-216-845-11	METAL CHIP	100K		5%	1/16W
R803	1-216-843-11	METAL CHIP	68K		5%	1/16W
R805	1-216-821-11	METAL CHIP	1K		5%	1/16W (US,AEP,UK,CH,E,EE,HK)
R808	1-216-864-11	METAL CHIP	0		5%	1/16W
R809	1-216-845-11	METAL CHIP	100K		5%	1/16W (CH,E,FR,HK)
R810	1-216-864-11	METAL CHIP	0		5%	1/16W
R811	1-216-864-11	METAL CHIP	0		5%	1/16W
R812	1-216-864-11	METAL CHIP	0		5%	1/16W
R813	1-216-837-11	METAL CHIP	22K		5%	1/16W (US,AEP,UK,EE)
R813	1-216-839-11	METAL CHIP	33K		5%	1/16W (CH,E,HK)
R813	1-216-843-11	METAL CHIP	68K		5%	1/16W (FR)
R814	1-216-845-11	METAL CHIP	100K		5%	1/16W
R817	1-216-864-11	METAL CHIP	0		5%	1/16W (CH,E,HK)
R819	1-216-847-11	METAL CHIP	150K		5%	1/16W (CH,E,HK)
R819	1-216-845-11	METAL CHIP	100K		5%	1/16W (FR)
R820	1-216-864-11	METAL CHIP	0		5%	1/16W
R821	1-216-864-11	METAL CHIP	0		5%	1/16W
R823	1-216-833-11	RES-CHIP	10K		5%	1/16W
R824	1-216-833-11	RES-CHIP	10K		5%	1/16W
R825	1-216-864-11	METAL CHIP	0		5%	1/16W
R828	1-216-821-11	METAL CHIP	1K		5%	1/16W (US,AEP,UK,CH,E,EE,HK)
R831	1-216-857-11	METAL CHIP	1M		5%	1/16W
R832	1-216-829-11	METAL CHIP	4.7K		5%	1/16W
R833	1-216-829-11	METAL CHIP	4.7K		5%	1/16W
R841	1-216-857-11	METAL CHIP	1M		5%	1/16W
R842	1-216-833-11	RES-CHIP	10K		5%	1/16W
R845	1-216-829-11	METAL CHIP	4.7K		5%	1/16W
R846	1-216-827-11	METAL CHIP	3.3K		5%	1/16W

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
		< SWITCH >		△	1-569-007-11	ADAPTOR, CONVERSION 2P(E33)	
S801	1-692-366-31	SWITCH, PUSH (1 KEY)(OPEN)		△	1-756-035-11	BATTERY PACK (NC-WMAA) (CH,E13,E33,HK)	
S802	1-762-078-11	SWITCH, SLIDE (AVLS)		△	1-756-035-21	BATTERY PACK (NC-WMAA) (AEP,UK,FR,EE)	
S803	1-762-078-11	SWITCH, SLIDE (HOLD)		△	1-756-035-31	BATTERY PACK (NC-WMAA) (US)	
S804	1-762-078-11	SWITCH, SLIDE (G-PROTECTION)			3-046-316-01	CASE, CARRYING (US)	
S805	1-572-499-21	SWITCH, TACTIL (VOLUME +)			3-046-317-01	POUCH, CARRYING (AEP,UK,CH,E13,E33,FR,EE,HK)	
S806	1-572-499-21	SWITCH, TACTIL (VOLUME -)			3-048-732-11	MANUAL, INSTRUCTION (SPANISH)(AEP)	
		< VARISTOR >			3-048-732-21	MANUAL, INSTRUCTION (ENGLISH)(AEP,UK,FR,EE)	
VDR101	1-801-862-11	VARISTOR, CHIP			3-048-732-31	MANUAL, INSTRUCTION (FRENCH)(AEP,FR)	
VDR111	1-801-862-11	VARISTOR, CHIP			3-048-732-41	MANUAL, INSTRUCTION (DUTCH)(AEP,EE)	
VDR201	1-801-862-11	VARISTOR, CHIP			3-048-732-51	MANUAL, INSTRUCTION (SWEDISH)(AEP)	
VDR211	1-801-862-11	VARISTOR, CHIP			3-048-732-61	MANUAL, INSTRUCTION (PORTUGUESE)(AEP)	
VDR311	1-801-862-11	VARISTOR, CHIP			3-048-732-71	MANUAL, INSTRUCTION (GERMAN)(AEP)	
VDR313	1-801-862-11	VARISTOR, CHIP			3-048-732-81	MANUAL, INSTRUCTION (ITALIAN)(AEP)	
		< VIBRATOR >			3-048-732-91	MANUAL, INSTRUCTION (FINNISH)(AEP)	
X601	1-767-605-11	VIBRATOR, LITHIUM TANTALATE 16.9MHz			3-048-733-11	MANUAL, INSTRUCTION (CHINESE)(E13,HK)	

MISCELLANEOUS							

8	1-418-565-11	SWITCH UNIT			3-048-734-21	MANUAL, INSTRUCTION (CZECH)(EE)	
△ 113	X-4952-506-1	OPTICAL PICK-UP BLOCK (DAX-23E)			3-048-734-31	MANUAL, INSTRUCTION (HUNGARIAN)(EE)	
M901	A-3328-627-A	MOTOR ASSY, SLED (WITH GEAR)			3-048-734-41	MANUAL, INSTRUCTION (POLISH)(EE)	
M902	A-3328-759-A	MOTOR ASSY, TURN TABLE (SPINDLE)			3-048-734-51	MANUAL, INSTRUCTION (SLOVAK)(EE)	

ACCESSORIES & PACKING MATERIALS							

△	1-418-261-11	ADAPTOR, AC (AC-E455F) (AEP,E13,FR,EE)			3-220-036-21	MANUAL, INSTRUCTION (ENGLISH)(E33)	
△	1-473-116-31	ADAPTOR, AC (AC-E455D) (E13)			3-220-036-31	MANUAL, INSTRUCTION (SPANISH)(E33)	
△	1-467-009-21	ADAPTOR, AC (AC-E455) (US)			8-953-276-90	HEADPHONE MDR-24SP (US)	
△	1-467-550-11	ADAPTOR, AC (AC-E455A) (E33)			8-953-304-90	RECEIVER MDR-E805SP (AEP,UK,CH,E13,E33,FR,EE,HK)	
△	1-473-115-11	ADAPTOR, AC (AC-E455D) (UK)					
△	1-473-116-31	ADAPTOR, AC (AC-E455G) (AEP,E13,FR,EE)					
△	1-475-622-11	ADAPTOR, AC (AC-E455) (CH)					
△	1-475-623-11	ADAPTOR, AC (AC-E455) (HK)					
	1-476-062-11	REMOTE CONTROL UNIT (US)					
	1-476-062-31	REMOTE CONTROL UNIT (E13,E33,HK)					
	1-476-062-41	REMOTE CONTROL UNIT (AEP,UK,EE)					
	1-476-062-51	REMOTE CONTROL UNIT (CH)					
	1-476-062-61	REMOTE CONTROL UNIT (FR)					

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

